

# INFORMATION REPORT

CD NO.

COUNTRY East Germany

DATE DISTR. 24 November 1952

SUBJECT Manufacture of Improved Transformer Sheets  
East Germany

NO. OF PAGES 1

NO. OF ENCLS.  
(LISTED BELOW)

SUPPLEMENT TO  
REPORT NO.

25X1

25X1

Improved Transformer Sheet

**REFERENCE COPY**

**DO NOT CIRCULATE**

25X1

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE  
OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793  
AND 794, OF THE U. S. CODE, AS AMENDED. ITS TRANSMISSION OR REVEL-  
ATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON  
IS PROHIBITED BY LAW. THE REPRODUCTION OF THIS FORM IS PROHIBITED.

\* Documentary

THIS IS UNEVALUATED INFORMATION

25X1

1. Several experimental smeltings have been undertaken to improve the quality of transformer sheet for the construction of generators. In the period of 15 to 18 July 1952, the Biesa steel mill cast eleven transformer sheet smeltings, of which only two smeltings reached the rolling stage, because most of them showed faults resulting from excessive or insufficient silicon content. A part of these smeltings are being rolled into mill bars in Hennigsdorf and three remaining smeltings will be rolled in Biesa during August. The mill bars rolled at Biesa are presently in the Burg rolling mill and are to be rolled into plate on 25 July.
2. The results from the electric foundry 2231 with 3.6 percent silicon are now in. The watt loss amounts to 1.56 W/g. The bending figures vary between 3 and 10, on the average 4 to 6. These are the first experiments with an electric furnace foundry. The foundry has already produced 3,800 kg. of plate.
3. After this successful rolling of steel according to the new analysis, there only remains the task of normalizing the smelting and rolling process to insure the future production of transformer sheet of the required quality. The problem had been to manufacture transformer plate with a maximum watt loss of 1.7 and a bending figure of 4.

CLASSIFICATION

**SECRET**

[illegible]